



MAY 2014 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

OAK RIDGE, TN
OAK RIDGE (KOQT)
Lat:36° 1'N Long: 84° 14'W Elev (Ground) 910 Feet
Time Zone : EASTERN WBAN: 53868 ISSN#: 0198-487X



MAY 2014
OAK RIDGE, TN

Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		LST 11	LST 12	LST 13	LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23				
01	67	47	57	-4	41	49	8	0				0.00	29.00	29.97	2.3	26	4.1	19	18	12	19	01		
02	70	43	57	-5	40	49	8	0				0.00	28.98	29.95	1.0	23	2.6	17	21	10	27	02		
03	78	43	61	-1	41	51	4	0				0.00	29.00	29.98	2.2	26	3.4	24	29	15	28	03		
04	88	47	68	6	47	56	0	3				0.00	29.05	30.00	2.7	24	3.6	21	26	14	27	04		
05	88	58	73	10	52	61	0	8				0.00	28.99	29.91	3.7	22	5.1	24	20	13	22	05		
06	87	58	73	10	55	62	0	8				0.00	28.97	29.92	1.8	22	3.4	18	19	10	20	06		
07	87	57	72	9	54	61	0	7				0.00	29.08	30.03	1.3	22	3.0	18	23	10	21	07		
08	87	57	72	9	55	62	0	7				0.00	29.16	30.11	1.8	22	3.0	22	20	13	19	08		
09	78	63	71	7	62	65	0	6	RA			T	29.10	30.04	2.6	20	3.8	28	18	18	19	09		
10	79	61	70	6	62	64	0	5	RA BR			0.16	29.10	30.05	2.4	20	3.1	22	20	15	19	10		
11	83	59	71	7	62	65	0	6				0.00	29.15	30.11	0.2	16	0.5	10	24	7	17	11		
12	89	62	76	11	64	68	0	11	FG+ FG BR			0.00	29.18	30.11	1.1	20	2.3	20	22	12	26	12		
13	87	65	76	11	66	68	0	11	RA BR			0.05	29.15	30.09	0.2	11	2.3	19	12	13	16	13		
14	87	64	76	11	62	66	0	11	RA FG+ BR			0.79	29.08	30.00	2.3	19	4.0	21	21	14	19	14		
15	66	51	59	-6	51	55	6	0	RA BR			0.37	29.02	29.99	1.5	27	4.2	18	27	12	27	15		
16	63	43	53	-13	41	47	12	0	RA FG BR			0.06	29.10	30.08	1.8	25	3.5	24	27	15	27	16		
17	63	43*	53*	-13	45	49	12	0				0.00	29.20	30.19	0.7	23	2.0	16	19	10	19	17		
18	69	51	60	-6	47	53	5	0				0.00	29.23	30.21	0.4	09	1.7	14	08	9	08	18		
19	76	49	63	-3	49	55	2	0	FG BR			0.00	29.26	30.23	0.2	18	1.6	11	22	8	20	19		
20	83	55	69	2	55	61	0	4				0.00	29.20	30.15	2.0	21	3.9	22	19	14	20	20		
21	87	58	73	6	57	63	0	8				0.00	29.13	30.08	2.0	24	3.6	20	20	12	26	21		
22	88	63	76	9	63	67	0	11	RA BR			0.64	29.12	30.03	2.8	25	4.3	38*	33	23*	34	22		
23	85	64	75	7	62	66	0	10	RA BR			0.04	29.10	30.05	0.5	06	1.7	12	34	8	33	23		
24	82	58	70	2	52	59	0	5				0.00	29.15	30.11	1.1	07	2.0	13	07	9	06	24		
25	77	58	68	0	59	62	0	3	RA BR			0.12	29.18	30.13	0.5	08	1.2	16	22	9	23	25		
26	85	60	73	5	63	66	0	8	RA FG+ FG BR			T	29.18	30.14	1.5	25	2.8	18	25	12	27	26		
27	87	66	77	8	66	69	0	12	RA BR			0.24	29.14	30.06	0.5	26	2.4	27	27	15	16	27		
28	89	64	77	8	65	68	0	12	FG+ FG BR			0.00	29.09	30.01	0.9	21	1.9	13	21	9	22	28		
29	87	66	77	8	65	68	0	12	RA BR			T	29.08	30.02	0.5	14	1.7	26	16	18	16	29		
30	88	66	77	8	66	69	0	12				0.00	29.11	30.04	0.6	06	1.2	13	36	9	08	30		
31	90*	66	78*	8	65	70	0	13	BR			0.00	29.13	30.06	0.4	08	1.8	13	22	9	21	31		
81.3		56.9	69.1	☼	55.9	61.1	1.8	6.2	< MONTHLY AVERAGES TOTALS >				2.47	29.11	30.06	1.1	22	2.8	< MONTHLY AVERAGES					
3.0	1.7	2.3	<-----DEPARTURE FROM NORMAL----->						-1.82	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 1.16 DATE : 14-15				SEA LEVEL PRESSURE				DATE TIME								
MONTHLY								GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.30 19 1008								
SEASON TO DATE								GREATEST SNOW DEPTH :				MINIMUM :				29.82 05 1910								
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 1		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 9								
HEATING : 57 -2 3844 150				COOLING : 193 80 230 86				THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 6										
										HEAVY FOG : 4		SNOWFALL >= 1.0 INCH :												

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
MAY 2014

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09	T	T	T									09	T	T	
10													10	0.02											10	0.16	0.16	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13		0.02		0.03								13	0.05	0.05	
14													14												14	0.79	0.79	
15	0.19	0.06	0.03			0.05	T	T	0.01	0.03	T	0.01	15												15	0.37	0.37	
16													16	0.01	T	0.02	0.01								16	0.06	0.06	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22	T	T											22												22	0.64	0.64	
23													23												23	0.04	0.04	
24													24												24	0.00	0.00	
25													25	T	T	0.12	T								25	0.12	0.12	
26													26			T									26	T	T	
27						0.03							27												27	0.24	0.24	
28													28												28	0.00	0.00	
29													29												29	T	T	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.40	0.60	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.71
Ending Date	22	22	22	22	22	22	22	22	22	22	22	15
Ending Time (Hr/Min)	1847	1847	1849	1849	1849	1849	1849	1849	1849	1849	1849	0002

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

OAK RIDGE, TN MAY 2014

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Station Augmentation-OAK RIDGE ATDD COOP
Lat/Lon:36.00278/-84.24861 Elevation:905FT
Distance:1.5 MI Dir:SW
Augmented Elements:Temp,Precip,Snow
Equipment:Pcpn-Model TRP525M, Temp Vaisala HMP35C,
Snow Board, Snow Stick

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	8.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	3.00	10.00
11	10.00	10.00
12	1.00	10.00
13	3.00	10.00
14	0.00	10.00
15	3.00	10.00
16	2.00	10.00
17	10.00	10.00
18	10.00	10.00
19	0.50	10.00
20	10.00	10.00
21	10.00	10.00
22	2.00	10.00
23	4.00	10.00
24	10.00	10.00
25	4.00	10.00
26	0.25	10.00
27	4.00	10.00
28	0.50	10.00
29	4.00	10.00
30	10.00	10.00
31	1.25	10.00
AVGS	6.15	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	11	16

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
MAY 2014

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0545					MAY 01					SUNSET: 1923					SUNRISE: 0539					MAY 07					SUNSET: 1928				
01	OVC	060	10.00		57	53	55	87	0	00	28.99	29.94	01	CLR	NC	10.00		64	57	60	78	3	24	29.03	29.96				
04	OVC	050	10.00		54	48	51	80	0	00	28.99	29.94	04	CLR	NC	10.00		59	55	57	87	3	22	29.06	29.99				
07	BKN	050	10.00		53	44	48	72	5	25	29.04	30.00	07	CLR	NC	10.00		62	56	59	80	0	00	29.13	30.06				
10	BKN	049	10.00		57	42	49	58	3	VR	29.05	30.01	10	CLR	NC	10.00		77	57	65	50	0	00	29.13	30.07				
13	SCT	055	10.00		63	36	50	37	7	27	29.01	29.97	13	CLR	NC	10.00		82	54	65	38	5	VR	29.12	30.05				
16	BKN	070	10.00		66	37	52	34	9	20	28.96	29.92	16	CLR	NC	10.00		85	52	65	32	7	VR	29.09	30.02				
19	CLR	NC	10.00		63	34	49	34	7	27	28.98	29.94	19	CLR	NC	10.00		82	50	63	33	6	VR	29.09	30.02				
22	CLR	NC	10.00		50	41	46	71	0	00	29.03	30.00	22	CLR	NC	10.00		69	54	60	59	0	00	29.13	30.06				
SUNRISE: 0544					MAY 02					SUNSET: 1924					SUNRISE: 0538					MAY 08					SUNSET: 1929				
01	CLR	NC	10.00		47	42	45	83	0	00	29.02	29.99	01	CLR	NC	10.00		62	54	57	75	0	00	29.13	30.07				
04	CLR	NC	10.00		44	41	43	89	0	00	29.02	29.99	04	CLR	NC	10.00		59	53	56	81	0	00	29.17	30.11				
07	CLR	NC	10.00		46	42	44	86	0	00	29.04	30.01	07	CLR	NC	10.00		63	55	58	76	0	00	29.22	30.16				
10	CLR	NC	10.00		60	41	50	50	3	VR	29.02	29.98	10	CLR	NC	10.00		79	57	65	47	5	21	29.23	30.17				
13	BKN	065	10.00		66	39	52	37	5	27	28.97	29.94	13	CLR	NC	10.00		85	54	66	35	6	VR	29.19	30.13				
16	SCT	085	10.00		70	40	54	34	7	VR	28.92	29.88	16	CLR	NC	10.00		86	54	66	33	8	22	29.13	30.07				
19	OVC	085	10.00		67	40	53	37	5	VR	28.92	29.88	19	CLR	NC	10.00		81	55	65	41	3	25	29.13	30.07				
22	CLR	NC	10.00		57	39	48	51	0	00	28.98	29.93	22	CLR	NC	10.00		70	59	63	68	0	00	29.15	30.09				
SUNRISE: 0543					MAY 03					SUNSET: 1925					SUNRISE: 0537					MAY 09					SUNSET: 1930				
01	CLR	NC	10.00		49	42	46	77	0	00	29.00	29.96	01	SCT	075	10.00		65	59	61	81	0	00	29.14	30.08				
04	CLR	NC	10.00		46	42	44	86	0	00	29.02	29.98	04	CLR	NC	10.00		63	59	61	87	0	00	29.12	30.05				
07	CLR	NC	10.00		48	42	45	80	0	00	29.04	30.00	07	CLR	NC	10.00		66	61	63	84	0	00	29.13	30.06				
10	CLR	NC	10.00		63	41	52	45	7	VR	29.04	30.00	10	OVC	080	10.00		74	62	66	67	7	VR	29.13	30.07				
13	BKN	110	10.00		72	41	56	33	9	28	29.00	29.96	13	BKN	055	10.00		76	64	68	67	9	21	29.10	30.03				
16	CLR	NC	10.00		77	38	56	24	6	VR	28.97	29.92	16	OVC	042	10.00		74	64	68	71	8	19	29.07	30.01				
19	CLR	NC	10.00		74	36	55	25	7	28	28.99	29.95	19	BKN	016	10.00		69	64	66	84	3	25	29.09	30.03				
22	CLR	NC	10.00		58	44	51	60	0	00	29.05	30.01	22	CLR	NC	10.00		67	62	64	84	0	00	29.13	30.06				
SUNRISE: 0542					MAY 04					SUNSET: 1926					SUNRISE: 0536					MAY 10					SUNSET: 1931				
01	CLR	NC	10.00		52	46	49	80	0	00	29.08	30.03	01	CLR	NC	10.00		65	62	63	90	0	00	29.10	30.04				
04	CLR	NC	10.00		49	45	47	86	0	00	29.08	30.03	04	CLR	NC	10.00		64	61	62	90	5	25	29.10	30.04				
07	CLR	NC	10.00		52	47	49	83	0	00	29.12	30.07	07	BKN	070	10.00		66	61	63	84	0	00	29.10	30.05				
10	CLR	NC	10.00		69	48	57	47	6	VR	29.10	30.06	10	OVC	100	10.00	-RA	66	63	64	90	3	VR	29.12	30.06				
13	CLR	NC	10.00		82	50	63	33	8	23	29.05	29.99	13	BKN	090	10.00		71	66	68	84	8	20	29.10	30.05				
16	CLR	NC	10.00		87	42	62	21	6	VR	28.99	29.93	16	SCT	085	10.00		77	62	67	60	9	20	29.02	29.96				
19	CLR	NC	10.00		83	43	61	24	5	26	28.99	29.93	19	FEW	120	10.00		68	65	66	90	3	VR	29.09	30.03				
22	CLR	NC	10.00		67	51	58	57	0	00	29.02	29.96	22	CLR	NC	10.00		63	61	62	93	0	00	29.13	30.09				
SUNRISE: 0541					MAY 05					SUNSET: 1927					SUNRISE: 0535					MAY 11					SUNSET: 1932				
01	CLR	NC	10.00		61	52	56	72	0	00	29.04	29.97	01	CLR	NC	10.00		61	60	60	97	0	00	29.13	30.08				
04	CLR	NC	10.00		60	51	55	72	3	21	29.03	29.96	04	SCT	013	10.00		59	58	58	96	0	00	29.14	30.09				
07	CLR	NC	10.00		62	52	56	70	3	VR	29.06	29.99	07	OVC	015	10.00		63	61	62	93	0	00	29.18	30.14				
10	CLR	NC	10.00		75	54	63	48	6	VR	29.05	29.98	10	OVC	014	10.00		68	63	65	84	0	00	29.22	30.17				
13	CLR	NC	10.00								28.99		13	FEW	021	10.00		75	63	67	66	0	00	29.20	30.15				
16	CLR	NC	10.00		87	51	65	29	9	20	28.90	29.83	16	CLR	NC	10.00		81	63	69	54	0	00	29.13	30.07				
19	CLR	NC	10.00		83	53	65	36	8	21	28.89	29.82	19	CLR	NC	10.00		80	62	68	54	3	23	29.10	30.04				
22	CLR	NC	10.00		73	55	62	53	3	23	28.93	29.86	22	CLR	NC	10.00		70	65	67	84	0	00	29.15	30.10				
SUNRISE: 0540					MAY 06					SUNSET: 1927					SUNRISE: 0534					MAY 12					SUNSET: 1932				
01	CLR	NC	10.00		67	55	60	66	3	24	28.96		01	CLR	NC	10.00		65	63	64	93	0	00	29.16	30.11				
04	CLR	NC	10.00		61	55	58	81	0	00	28.98	29.91	04	CLR	NC	9.00		63	62	62	97	0	00	29.15	30.09				
07	CLR	NC	10.00		63	55	58	76	0	00	29.03	29.96	07	VV	002	1.00	BR	63	62	62	97	0	00	29.21	30.15				
10	CLR	NC	10.00		76	54	63	47	6	20	29.03	29.95	10	CLR	NC	10.00		78	66	70	67	3	VR	29.22	30.16				
13	CLR	NC	10.00		84	55	66	37	7	27	28.98	29.91	13	SCT	047	10.00		84	66	72	55	6	16	29.20	30.14				
16	CLR	NC	10.00		85	52	65	32	6	21	28.94	29.87	16	CLR	NC	10.00		87	61	70	42	8	22	29.14	30.07				
19	CLR	NC	10.00		83	53	65	36	5	19	28.96	29.89	19	CLR	NC	10.00		85	63	71	48	5	28	29.13	30.07				
22	CLR	NC	10.00		68	58	62	70	0	00	29.01	29.94	22	CLR	NC	10.00		73	67	69	81	0	00	29.15	30.09				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
MAY 2014

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0533					MAY 13					SUNSET: 1933					SUNRISE: 0529					MAY 19					SUNSET: 1938				
01	CLR	NC	10.00		70	66	67	87	0	00	29.14	30.07	01	CLR	NC	10.00		52	50	51	93	0	00	29.25	30.22				
04	CLR	NC	10.00		66	64	65	93	0	00	29.15	30.08	04	OVC	006	1.75	BR	50	49	49	96	0	00	29.28	30.24				
07	CLR	NC	8.00		68	65	66	90	0	00	29.18	30.11	07	BKN	004	10.00		51	48	49	89	0	00	29.32	30.29				
10	SCT	028	10.00		81	66	71	61	6	VR	29.19	30.12	10	CLR	NC	10.00		61	50	55	67	0	00	29.33	30.30				
13	FEW	043	10.00		86	64	71	48	8	25	29.16	30.09	13	CLR	NC	10.00		71	45	57	39	3	VR	29.28	30.24				
16	BKN	090	10.00	-RA	71	65	67	81	10	09	29.14	30.09	16	CLR	NC	10.00		75	47	59	37	6	VR	29.23	30.19				
19	CLR	NC	10.00		75	67	70	76	0	00	29.12	30.06	19	CLR	NC	10.00		71	47	58	42	5	23	29.23	30.19				
22	CLR	NC	10.00		68	66	67	93	3	06	29.16	30.10	22	CLR	NC	10.00		62	52	56	70	0	00	29.22	30.18				
SUNRISE: 0532					MAY 14					SUNSET: 1934					SUNRISE: 0528					MAY 20					SUNSET: 1939				
01	OVC	080	9.00		67	65	66	93	3	06	29.15	30.09	01	CLR	NC	10.00		57	52	54	83	0	00	29.21	30.17				
04	BKN	075	6.00	BR	65	64	64	97	0	00	29.13	30.07	04	CLR	NC	10.00		55	52	53	90	0	00	29.24	30.20				
07	VV	002	0.25	FG	65	64	64	97	0	00	29.14	30.08	07	CLR	NC	10.00		60	55	57	84	0	00	29.29	30.24				
10	CLR	NC	10.00		79	64	69	60	7	VR	29.13	30.07	10	CLR	NC	10.00		70	55	61	59	7	VR	29.27	30.23				
13	CLR	NC	10.00		85	61	69	45	8	20	29.05	29.97	13	CLR	NC	10.00		80	59	67	49	6	VR	29.20	30.15				
16	CLR	NC	10.00		84	57	67	40	7	VR	28.97	29.90	16	CLR	NC	10.00		83	59	68	44	7	VR	29.14	30.09				
19	FEW	110	10.00		79	57	65	47	5	VR	28.98	29.91	19	CLR	NC	10.00		80	52	63	38	5	23	29.12	30.06				
22	OVC	070	1.50	+RA BR	67	66	66	97	3	19	29.04	29.97	22	CLR	NC	10.00		69	53	60	57	0	00	29.13	30.08				
SUNRISE: 0532					MAY 15					SUNSET: 1935					SUNRISE: 0527					MAY 21					SUNSET: 1940				
01	OVC	110	5.00	RA BR	66	64	65	93	3	20	28.95	29.87	01	CLR	NC	10.00		65	54	59	68	3	25	29.14	30.08				
04	OVC	029	10.00		65	63	64	93	5	VR	28.92	29.84	04	CLR	NC	10.00		58	54	56	87	0	00	29.16	30.11				
07	OVC	030	10.00		57	55	56	93	5	22	28.96	29.91	07	BKN	060	10.00		61	56	58	84	3	25	29.19	30.14				
10	OVC	045	10.00	-RA	55	53	54	93	3	VR	29.04	29.99	10	SCT	060	10.00		74	60	65	62	5	VR	29.18	30.12				
13	OVC	043	10.00		59	50	54	72	6	VR	29.08	30.03	13	BKN	049	10.00		81	62	69	53	6	VR	29.13	30.07				
16	OVC	055	10.00		61	44	52	54	5	28	29.08	30.03	16	FEW	060	10.00		86	59	69	40	6	VR	29.09	30.02				
19	OVC	055	10.00		57	43	50	60	0	00	29.10	30.06	19	CLR	NC	10.00		83	55	66	38	9	26	29.07	30.01				
22	OVC	055	10.00		53	43	48	69	3	30	29.13	30.11	22	CLR	NC	10.00		73	57	63	57	0	00	29.14	30.08				
SUNRISE: 0531					MAY 16					SUNSET: 1936					SUNRISE: 0527					MAY 22					SUNSET: 1940				
01	CLR	NC	10.00		49	46	48	90	0	00	29.13	30.10	01	FEW	060	10.00		72	58	64	61	0	00	29.13	30.05				
04	CLR	NC	10.00		45	43	44	93	0	00	29.08	30.05	04	CLR	NC	10.00		67	59	62	76	3	23	29.10	30.03				
07	BKN	002	10.00		45	43	44	93	0	00	29.10	30.07	07	OVC	047	10.00		69	60	64	73	3	26	29.17	30.10				
10	OVC	060	10.00		52	45	48	77	6	26	29.13	30.10	10	CLR	NC	10.00		78	63	68	60	10	23	29.10	30.03				
13	SCT	047	10.00		58	50	54	75	6	VR	29.08	30.05	13	FEW	045	10.00		87	63	71	45	8	28	29.09	30.01				
16	BKN	090	10.00		61	37	49	41	9	27	29.08	30.05	16	BKN	070	10.00		87	65	72	48	8	27	29.07	29.98				
19	CLR	NC	10.00		58	32	46	38	7	VR	29.13	30.10	19	BKN	100	2.00	-RA BR	65	61	63	87	3	VR	29.12	30.06				
22	CLR	NC	10.00		47	41	44	80	0	00	29.17	30.16	22	FEW	075	10.00		69	66	67	90	0	00	29.10	30.04				
SUNRISE: 0530					MAY 17					SUNSET: 1936					SUNRISE: 0526					MAY 23					SUNSET: 1941				
01	BKN	090	10.00		44	41	43	89	0	00	29.16	30.15	01	CLR	NC	10.00		68	65	66	90	0	00	29.09	30.01				
04	OVC	100	10.00		46	41	44	83	0	00	29.19	30.17	04	FEW	050	8.00		66	63	64	90	0	00	29.10	30.02				
07	OVC	090	10.00		47	43	45	86	0	00	29.20	30.19	07	BKN	080	4.00	BR	65	64	64	97	5	13	29.13	30.09				
10	OVC	075	10.00		54	43	49	67	0	00	29.23	30.22	10	FEW	075	10.00		73	63	67	71	0	00	29.14	30.08				
13	OVC	065	10.00		57	44	50	62	6	25	29.24	30.22	13	SCT	055	10.00		81	64	70	57	3	04	29.12	30.05				
16	OVC	050	10.00		61	46	53	58	7	VR	29.20	30.18	16	BKN	075	10.00		84	61	69	46	5	VR	29.10	30.04				
19	BKN	060	10.00		58	48	53	70	0	00	29.20	30.18	19	CLR	NC	10.00		78	60	67	54	5	VR	29.10	30.03				
22	OVC	048	10.00		55	49	52	80	0	00	29.26	30.24	22	CLR	NC	10.00		70	55	61	59	3	06	29.13	30.07				
SUNRISE: 0529					MAY 18					SUNSET: 1937					SUNRISE: 0525					MAY 24					SUNSET: 1942				
01	CLR	NC	10.00		53	50	51	89	3	07	29.23	30.21	01	CLR	NC	10.00		63	55	58	76	0	00	29.14	30.08				
04	FEW	050	10.00		51	47	49	86	0	00	29.25	30.22	04	CLR	NC	10.00		60	54	57	80	3	07	29.15	30.09				
07	CLR	NC	10.00		52	45	48	77	0	00	29.27	30.25	07	CLR	NC	10.00		60	54	57	80	0	00	29.20	30.15				
10	CLR	NC	10.00		62	45	53	54	5	VR	29.28	30.25	10	CLR	NC	10.00		72	52	60	50	0	00	29.22	30.16				
13	FEW	047	10.00		66	45	55	47	0	00	29.25	30.21	13	CLR	NC	10.00		78	48	61	35	7	06	29.17	30.12				
16	BKN	070	10.00		68	44	55	42	6	10	29.21	30.17	16	CLR	NC	10.00		81	45	61	28	6	08	29.13	30.07				
19	SCT	070	10.00		67	47	56	49	0	00	29.21	30.17	19	CLR	NC	10.00		79	47	61	32	0	00	29.13	30.06				
22	CLR	NC	10.00		58	51	54	78	0	00	29.25	30.22	22	CLR	NC	10.00		66	56	60	70	0	00	29.16	30.11				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
MAY 2014

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL		
SUNRISE: 0525					MAY 25					SUNSET: 1943				
01	FEW	110	10.00		62	56	59	80	0	00	29.16	30.10		
04	CLR	NC	10.00		59	55	57	87	3	07	29.15	30.10		
07	CLR	NC	10.00		61	55	58	81	0	00	29.19	30.14		
10	FEW	060	10.00		72	54	61	53	3	VR	29.21	30.16		
13	BKN	085	10.00		75	57	64	54	5	18	29.20	30.15		
16	BKN	110	10.00		68	64	65	87	0	00	29.17	30.13		
19	CLR	NC	10.00		72	63	66	73	0	00	29.15	30.11		
22	CLR	NC	8.00		66	64	65	93	0	00	29.18	30.13		
SUNRISE: 0524					MAY 26					SUNSET: 1943				
01	VV	002	0.25	FG	62	62	62	100	0	00	29.17	30.12		
04	VV	002	0.50	FG	61	60	60	97	0	00	29.21	30.16		
07	OVC	002	6.00	BR	62	61	61	96	0	00	29.24	30.19		
10	FEW	055	10.00		74	63	67	69	5	VR	29.25	30.19		
13	FEW	035	10.00		82	64	70	55	7	27	29.21	30.15		
16	CLR	NC	10.00		83	63	70	51	8	23	29.15	30.09		
19	CLR	NC	10.00		79	64	69	60	3	VR	29.13	30.08		
22	CLR	NC	10.00		72	65	68	79	3	21	29.17	30.11		
SUNRISE: 0524					MAY 27					SUNSET: 1944				
01	SCT	120	10.00		70	66	67	87	0	00	29.17	30.10		
04	SCT	060	10.00		69	66	67	90	0	00	29.16	30.09		
07	CLR	NC	6.00	BR	70	67	68	90	0	00	29.17	30.11		
10	FEW	060	10.00		78	67	71	69	6	VR	29.16	30.10		
13	FEW	035	10.00		84	66	72	55	6	VR	29.13	30.05		
16	FEW	055	10.00		85	64	71	50	6	VR	29.07	29.99		
19	OVC	110	5.00	-RA BR	69	65	66	87	0	00	29.10	30.05		
22	FEW	050	7.00		67	65	66	93	0	00	29.12	30.04		
SUNRISE: 0523					MAY 28					SUNSET: 1945				
01	CLR	NC	7.00		65	64	64	97	0	00	29.10	30.03		
04	VV	002	0.75	BR	65	64	64	97	0	00	29.08	30.00		
07	VV	002	0.50	FG	64	64	64	100	0	00	29.10	30.06		
10	SCT	019	8.00		78	68	71	71	3	VR	29.12	30.05		
13	BKN	055	10.00		83	64	71	53	6	15	29.09	30.02		
16	CLR	NC	10.00		87	61	70	42	7	25	29.04	29.96		
19	CLR	NC	10.00		83	64	71	53	0	00	29.04	29.97		
22	CLR	NC	10.00		74	67	69	79	0	00	29.08	30.01		
SUNRISE: 0523					MAY 29					SUNSET: 1946				
01	CLR	NC	9.00		70	67	68	90	0	00	29.07	29.99		
04	CLR	NC	6.00	BR	68	65	66	90	0	00	29.06	29.98		
07	CLR	NC	7.00		69	65	66	87	0	00	29.10	30.03		
10	BKN	110	10.00		80	65	70	60	0	00	29.12	30.04		
13	CLR	NC	10.00		86	63	71	46	5	26	29.09	30.01		
16	BKN	095	10.00		75	64	68	69	6	20	29.09	30.02		
19	CLR	NC	10.00		77	65	69	66	0	00	29.07	30.00		
22	CLR	NC	10.00		72	66	68	82	3	07	29.12	30.04		
SUNRISE: 0523					MAY 30					SUNSET: 1946				
01	CLR	NC	10.00		70	67	68	90	0	00	29.10	30.03		
04	CLR	NC	10.00		67	65	66	93	0	00	29.10	30.03		
07	CLR	NC	10.00		69	65	66	87	0	00	29.12	30.05		
10	CLR	NC	10.00		78	66	70	67	0	00	29.14	30.08		
13	CLR	NC	10.00		83	66	72	57	0	00	29.13	30.05		
16	CLR	NC	10.00		85	64	71	50	3	VR	29.08	30.01		
19														
22	CLR	NC	10.00		75	67	70	76	0	00	29.13	30.05		

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL		
SUNRISE: 0522					MAY 31					SUNSET: 1947				
01	FEW	060	10.00		71	67	68	87	0	00	29.14	30.07		
04	CLR	NC	10.00		69	66	67	90	0	00	29.14	30.07		
07	SCT	002	9.00		69	66	67	90	0	00	29.16	30.10		
10	CLR	NC	10.00		79	68	72	69	5	VR	29.17	30.10		
13	FEW	110	10.00		88	66	73	48	3	VR	29.13	30.05		
16	FEW	060	10.00		87	63	71	45	3	VR	29.09	30.01		
19	FEW	080	10.00		84	64	71	51	0	00	29.09	30.01		
22	SCT	070	10.00		77	65	69	66	0	00	29.15	30.08		

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

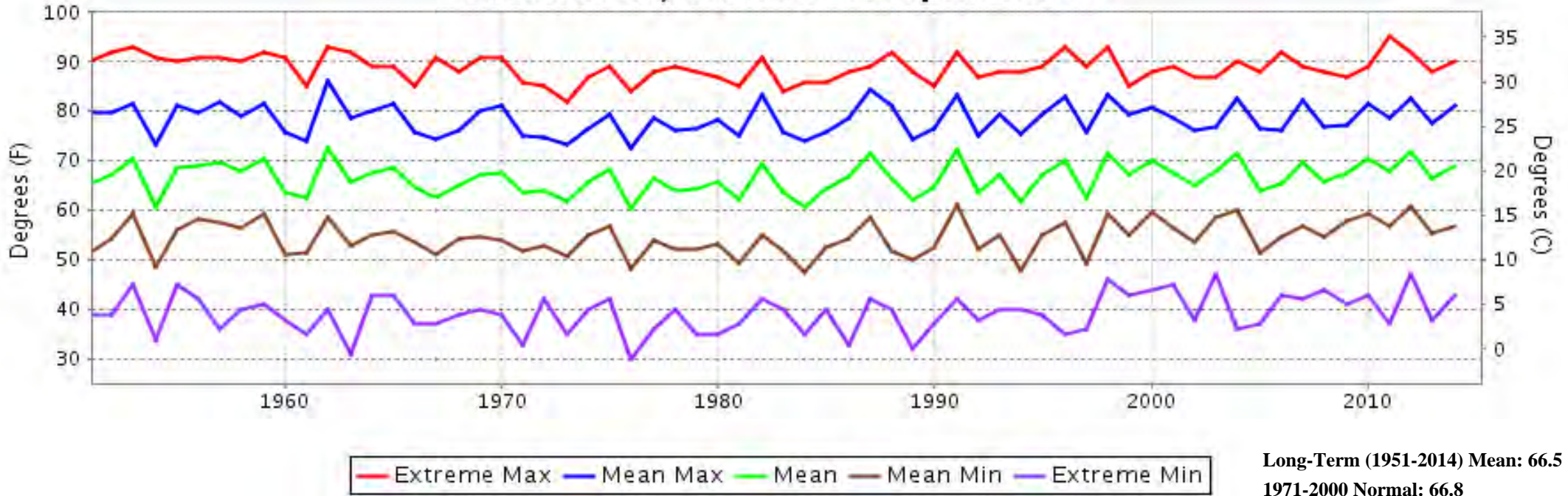
& = Original observation contained additional weather elements.

See page 3 for additional notes.

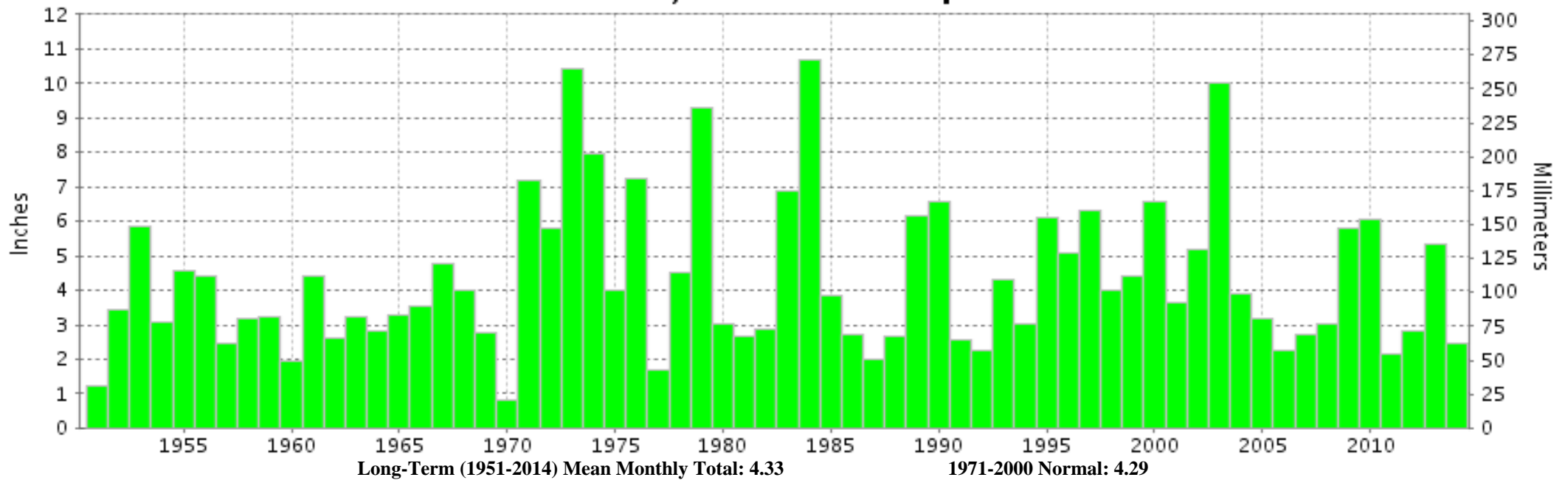
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	62	57	59	85	29.11	30.06	9.36	1	1	21
02	61	56	58	85	29.10	30.05	9.19	1	xx	xx
03	60	56	58	87	29.11	30.05	8.96	0	xx	xx
04	59	56	57	88	29.11	30.06	8.77	1	1	22
05	59	55	57	89	29.12	30.06	8.25	1	xx	xx
06	58	55	57	89	29.13	30.08	7.37	1	xx	xx
07	60	56	58	86	29.15	30.10	8.44	1	2	24
08	64	57	60	77	29.15	30.10	9.46	2	1	21
09	68	57	61	69	29.16	30.10	9.71	4	2	25
10	71	57	62	63	29.15	30.10	9.94	4	4	25
11	73	57	63	58	29.15	30.09	10.00	5	4	26
12	76	57	64	53	29.14	30.08	10.00	5	3	26
13	77	56	64	51	29.12	30.07	10.00	6	3	26
14	79	56	65	47	29.10	30.05	10.00	6	4	26
15	79	55	65	46	29.09	30.03	9.81	6	3	26
16	79	54	64	46	29.08	30.02	10.00	6	2	26
17	78	54	64	45	29.07	30.02	10.00	5	4	26
18	77	53	63	47	29.07	30.02	9.77	5	3	26
19	74	54	63	52	29.08	30.03	9.57	3	4	26
20	71	56	62	62	29.09	30.03	9.94	2	3	25
21	68	57	61	70	29.11	30.05	9.63	1	2	24
22	66	57	61	74	29.12	30.06	9.56	1	1	17
23	64	57	60	79	29.12	30.06	9.65	0	xx	xx
24	63	57	60	82	29.12	30.06	9.45	1	xx	xx

OAK RIDGE, TN MAY Temperatures



OAK RIDGE, TN MAY Precipitation





MAY 2014
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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